



## Technical Data Sheet

**MATERIAL:** Poly(2-vinylpyridine), linear

**CATALOG NUMBER:** 813

**CAS NUMBER:** 25014-15-7

**DESCRIPTION:** Homopolymer of 2-Vinylpyridine

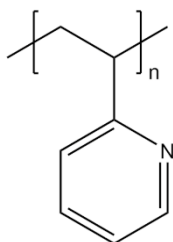
**FORMULA:**  $(C_7H_7N)_x$

**TYPICAL PROPERTIES:**

Appearance:	Powder
Viscosity average Mw:	40,000
Glass transition temp:	104°C
Solubility:	Acetone, benzene, chloroform, dioxane, DMAC, DMF, DMSO, ethanol, isopropanol, methanol, pyridine, THF

**GENERAL INFORMATION:** Undergoes reactions typical of alkyl pyridines, e.g. doping, quaternization, oxidation, etc. Poly(2-vinylpyridine) and its derivatives have found application in a number of areas. The homopolymer has been used in photographic film, Lithography, corrosion inhibitors, membranes for chemical separations, and as a catalyst in a number of organic reactions. Doped derivatives have found application in batteries and photovoltaic cells. Quaternized derivatives have found application in electron beam resists, emulsion stabilizers and dispersing agents, electroplating and as flocculating agents.

**STRUCTURE:**



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